

Title (en)  
PUMP DEVICE FOR A LIQUID DETERGENT

Title (de)  
PUMPVORRICHTUNG FÜR EIN FLÜSSIGES REINIGUNGSMITTEL

Title (fr)  
SYSTÈME DE POMPE POUR DÉTERGENT LIQUIDE

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Application  
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Abstract (en)  
[origin: EP2524991A2] The present invention relates to a pump device for a liquid detergent, which reduces vibration and noise by inhibiting interference between parts during operation, thereby reducing damage to the parts. The pump device for a liquid detergent includes: a corrugated tube connected to a conveying tube unit from which the liquid detergent is discharged; a supply tube guiding the liquid detergent supplied through the corrugated tube to a tub; and a coupler connecting the corrugated tube and the supply tube and coupled to a base plate.

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Citation (search report)  
• [X] FR 2496137 A1 19820618 - ESSWEIN SA [FR]  
• [A] DE 19643270 A1 19980423 - MIELE & CIE [DE]  
• See references of WO 2011087255A2

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